

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P799494

Luminaire Tested: **LD6C25D010 EU6259030 6LBMDSWWH**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799494
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2309-186-5)
Test Lab: INNOVATION CENTER
Issue Date: 4/12/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C25D010 EU6259030 6LBMDSWWH
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Summary

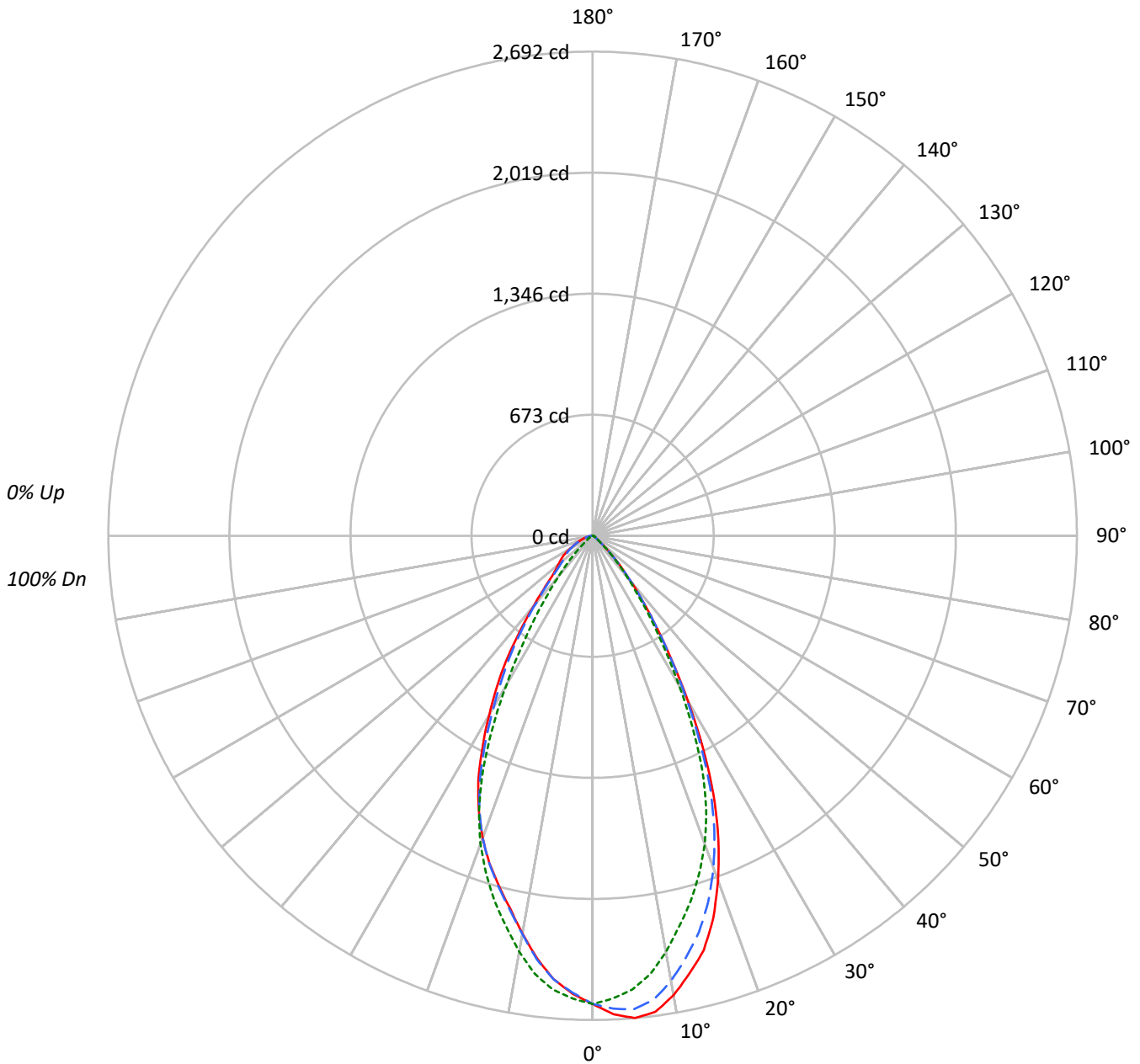
Lumens per Lamp: N/A
Luminaire Lumens: 2241.0 lumens
Efficiency: N/A
Efficacy: 71.1 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 31.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92					92			
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85					85			
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78					78			
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73					73			
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67					67			
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63					63			
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59					59			
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55					55			
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52					52			
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49					49			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	142691	142691	142691
5°	148118	139340	136193
10°	144330	130703	124953
15°	135358	119427	114269
20°	118829	106322	104292
25°	96108	87350	90949
30°	66814	60845	72790
35°	41184	37276	54930
40°	23301	20896	36483
45°	11319	10792	24902
50°	4307	4307	21168
55°	2361	2791	19536
60°	1721	2215	16007
65°	1453	1894	13114
70°	1266	1619	10803
75°	1186	1673	9277
80°	695	1421	6724
85°	692	2830	6353



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	238.3	10.6
10°-20°	598.9	26.7
20°-30°	674.2	30.1
30°-40°	417.5	18.6
40°-50°	166.2	7.4
50°-60°	75.7	3.4
60°-70°	43.5	1.9
70°-80°	20.7	0.9
80°-90°	6.0	0.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1511.4	67.4
0°-40°	1928.9	86.1
0°-60°	2170.8	96.9
0°-90°	2241.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2241.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	2603	2603	2603	2603	2603	
5°	2692	2642	2532	2477	2475	253
15°	2385	2282	2104	2019	2013	660
25°	1589	1546	1444	1480	1504	714
35°	615	612	557	776	821	395
45°	146	146	139	303	321	124
55°	25	24	29	180	204	25
65°	11	10	15	100	101	11
75°	6	6	8	43	44	6
85°	1	1	4	10	10	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	2602.9	2602.9	2602.9	2602.9	2602.9	2602.9	2602.9	2602.9	2602.9
2.5°	2662.4	2637.7	2632.1	2610.8	2574.8	2554.6	2542.3	2533.3	2549.0
5°	2691.6	2664.7	2642.2	2598.4	2532.1	2495.1	2477.1	2462.5	2474.9
7.5°	2670.3	2632.1	2601.8	2541.1	2456.9	2399.6	2374.9	2358.1	2369.3
10°	2592.8	2546.7	2511.9	2440.1	2348.0	2279.5	2249.2	2233.5	2244.7
12.5°	2491.7	2453.5	2400.8	2322.2	2223.4	2151.5	2129.0	2116.7	2121.2
15°	2385.0	2340.1	2281.7	2203.1	2104.3	2032.5	2019.0	2011.1	2013.4
17.5°	2230.1	2186.3	2135.8	2059.4	1968.5	1910.1	1910.1	1904.4	1907.8
20°	2036.9	2013.4	1964.0	1900.0	1822.5	1769.7	1786.5	1780.9	1787.7
22.5°	1828.1	1810.1	1767.5	1714.7	1649.5	1608.0	1645.1	1643.9	1652.9
25°	1588.9	1575.4	1546.2	1501.3	1444.1	1418.2	1480.0	1480.0	1503.6
27.5°	1325.0	1311.6	1291.3	1253.2	1206.0	1198.1	1289.1	1300.3	1326.2
30°	1055.5	1046.5	1035.3	1000.5	961.2	975.8	1101.6	1120.7	1149.9
32.5°	815.2	809.6	806.2	774.8	740.0	788.3	932.0	956.7	985.9
35°	615.4	603.0	612.0	588.4	557.0	617.6	775.9	797.3	820.8
37.5°	453.7	444.7	452.5	435.7	407.6	473.9	623.2	636.7	652.4
40°	325.6	317.8	324.5	314.4	292.0	353.7	488.5	503.1	509.8
42.5°	231.3	217.8	224.6	216.7	205.5	266.1	384.0	397.5	399.8
45°	146.0	141.5	146.0	141.5	139.2	197.6	303.2	315.5	321.2
47.5°	88.7	83.1	83.1	80.8	83.1	146.0	250.4	268.4	277.4
50°	50.5	48.3	47.2	46.0	50.5	114.5	216.7	236.9	248.2
52.5°	33.7	32.6	32.6	31.4	37.1	96.6	195.4	213.4	224.6
55°	24.7	23.6	23.6	23.6	29.2	83.1	179.7	194.3	204.4
57.5°	19.1	19.1	19.1	18.0	24.7	70.7	160.6	168.4	176.3
60°	15.7	14.6	14.6	14.6	20.2	60.6	138.1	141.5	146.0
62.5°	12.4	12.4	12.4	12.4	16.8	53.9	119.0	119.0	121.3
65°	11.2	10.1	10.1	10.1	14.6	47.2	99.9	98.8	101.1
67.5°	9.0	9.0	9.0	9.0	12.4	40.4	82.0	80.8	83.1
70°	7.9	7.9	7.9	7.9	10.1	33.7	66.3	65.1	67.4
72.5°	6.7	6.7	6.7	6.7	9.0	28.1	52.8	52.8	53.9
75°	5.6	5.6	5.6	5.6	7.9	21.3	42.7	42.7	43.8
77.5°	4.5	4.5	4.5	4.5	5.6	16.8	32.6	31.4	31.4
80°	2.2	3.4	3.4	3.4	4.5	12.4	23.6	21.3	21.3
82.5°	1.1	2.2	2.2	2.2	4.5	9.0	15.7	14.6	14.6
85°	1.1	1.1	1.1	3.4	4.5	6.7	10.1	10.1	10.1
87.5°	0.0	1.1	2.2	4.5	5.6	5.6	6.7	5.6	5.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)